



Stage III CRC : I do 3 months (of CAPOX)

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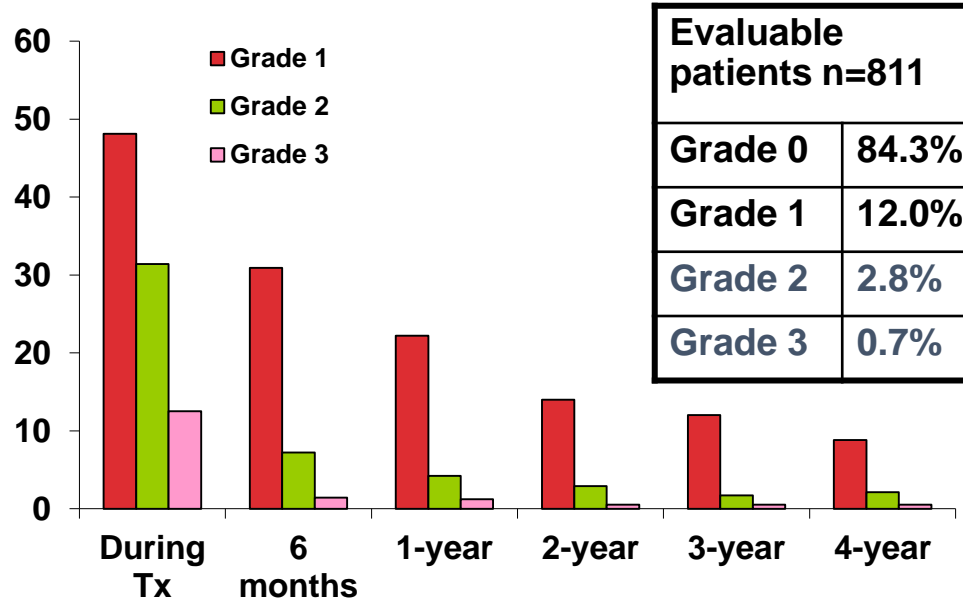
Background and Rationale

- **Previous standard of care for stage III colon cancer patients:**
6 months of oxaliplatin-based adjuvant therapy with FOLFOX or CAPOX (XELOX)
- **Oxaliplatin is associated with cumulative dose-dependent neurotoxicity**
 - Debilitating for many patients, both short- and long-term
 - Nerve damage (e.g. numbness, tingling, pain) can persist long after discontinuation of therapy, sometimes permanently
 - Dose reductions and early discontinuation of therapy are common



Long-term Safety

Peripheral Sensory Neuropathy



| Evaluable patients n=811 | |
|--------------------------|-------|
| Grade 0 | 84.3% |
| Grade 1 | 12.0% |
| Grade 2 | 2.8% |
| Grade 3 | 0.7% |



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- **Shorter duration treatment without loss of efficacy would be of benefit to patients and health care resources**



International Duration Evaluation of Adjuvant Chemotherapy (IDEA) Collaboration

Stage III
Colon
Cancer



3 months

FOLFOX*
or CAPOX*

6 months

12,834 patients

*Investigator's choice, no randomization

- **Objective:**

Reduce side-effects of therapy without giving up (too much) anti-cancer efficacy of therapy

- **Non-inferiority design:**

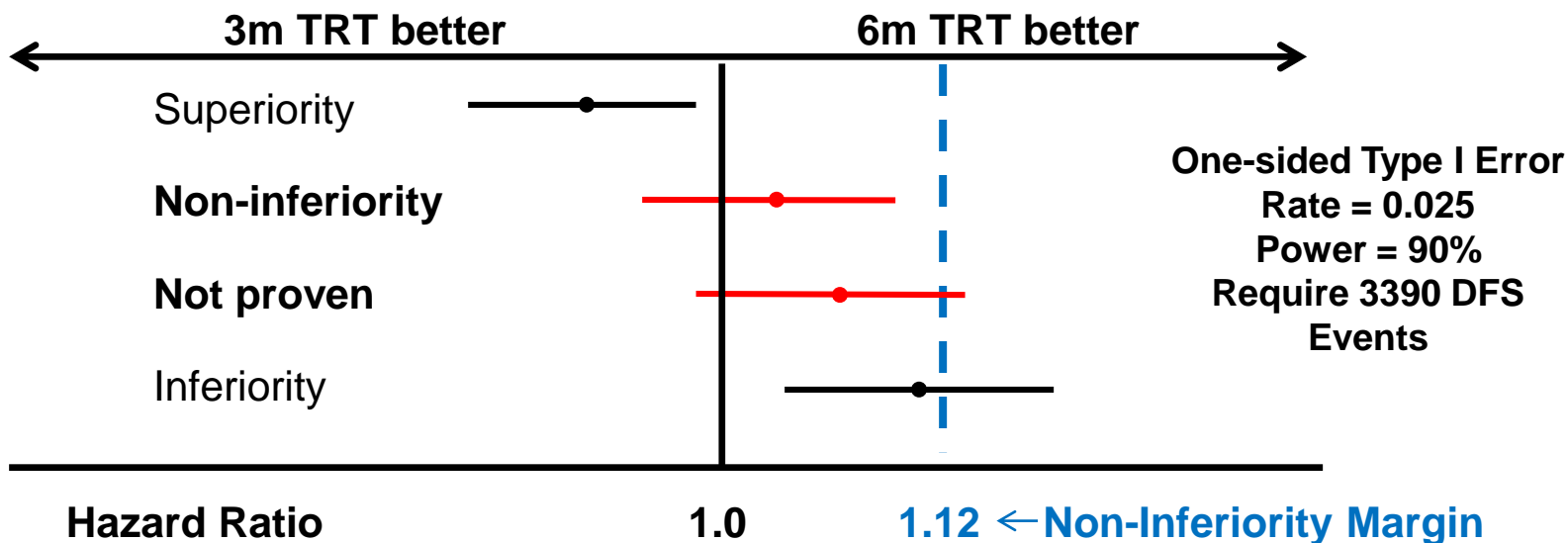
As agreed upon by patient advocates and oncologists, shorter duration of therapy should not sacrifice more than 12% of benefit of adjuvant therapy

In statistical terms: upper 95% confidence interval of Hazard Ratio (HR) of disease free survival (DFS) should not exceed **1.12**



Non-Inferiority Hypothesis Testing

Statistical Conclusions Under Different Scenarios



TRT: treatment

Piaggio et al. JAMA 2012;308(24):2594-2604



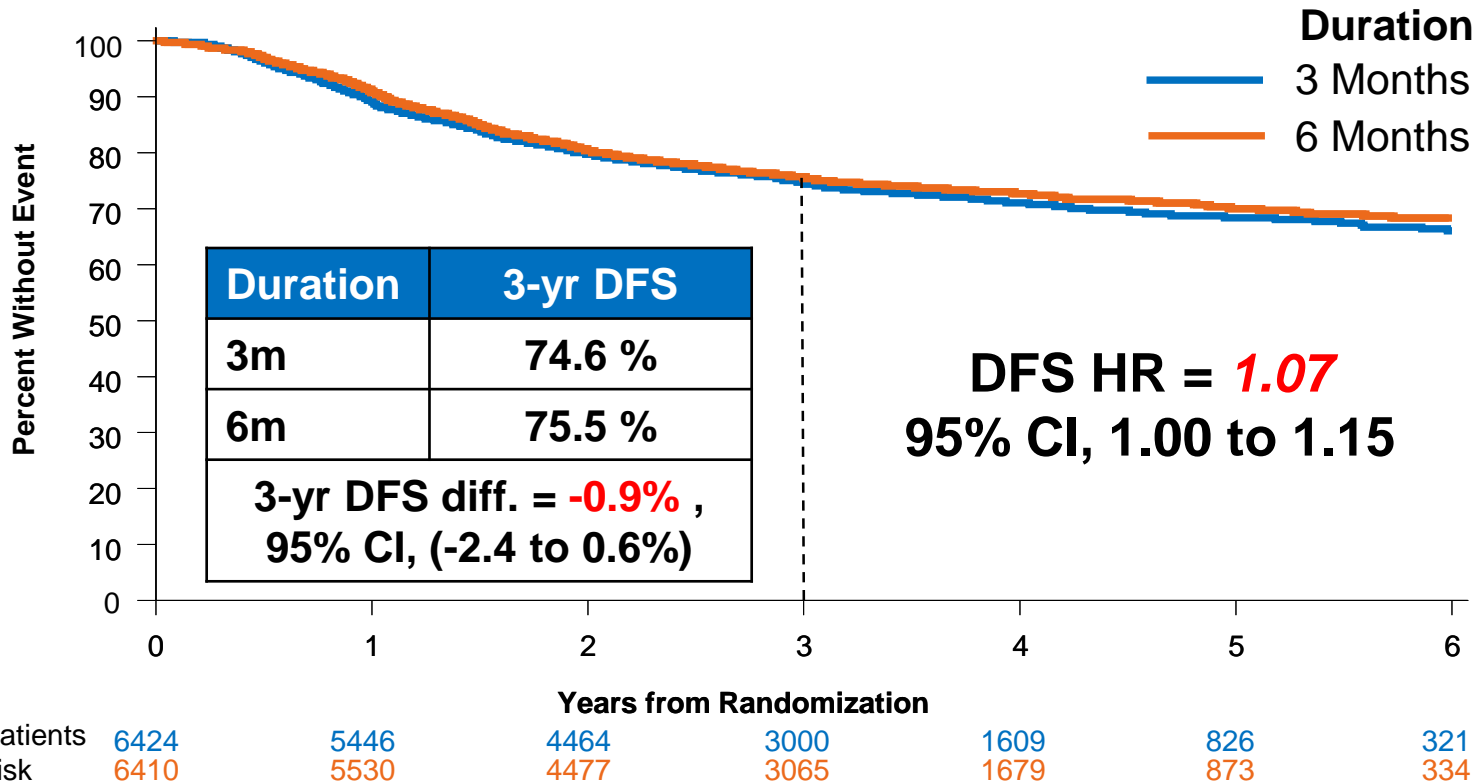
Adverse Events IDEA trial

| | | FOLFOX | | | CAPOX | | |
|----------------|----|--------|--------|----------------------|--------|--------|----------------------|
| Adverse Events | | 3m Arm | 6m Arm | p-value ¹ | 3m Arm | 6m Arm | p-value ¹ |
| Overall | | | | | | | |
| G2 | 50 | | | <.0001 | | | <.0001 |
| G3-4 | 45 | | | | | | |
| Neurotoxicity | 40 | | | | | | |
| G2 | 35 | | | <.0001 | | | <.0001 |
| G3-4 | 30 | | | | | | |
| Diarrhea | 25 | | | | | | |
| G2 | 20 | | | <.0001 | | | 0.0117 |
| G3-4 | 15 | | | | | | |
| | 10 | | | | | | |
| | 5 | | | | | | |
| | 0 | | | | | | |
| | | 3m | 6m | | 3m | 6m | |
| | | G2/3 | G4 | | G2/3 | | |
| | | | | | | | |

¹Chi-squared test for trend; Total of 19 grade 5 events; Adverse events only collected on first 617 patients enrolled to SCOT trial

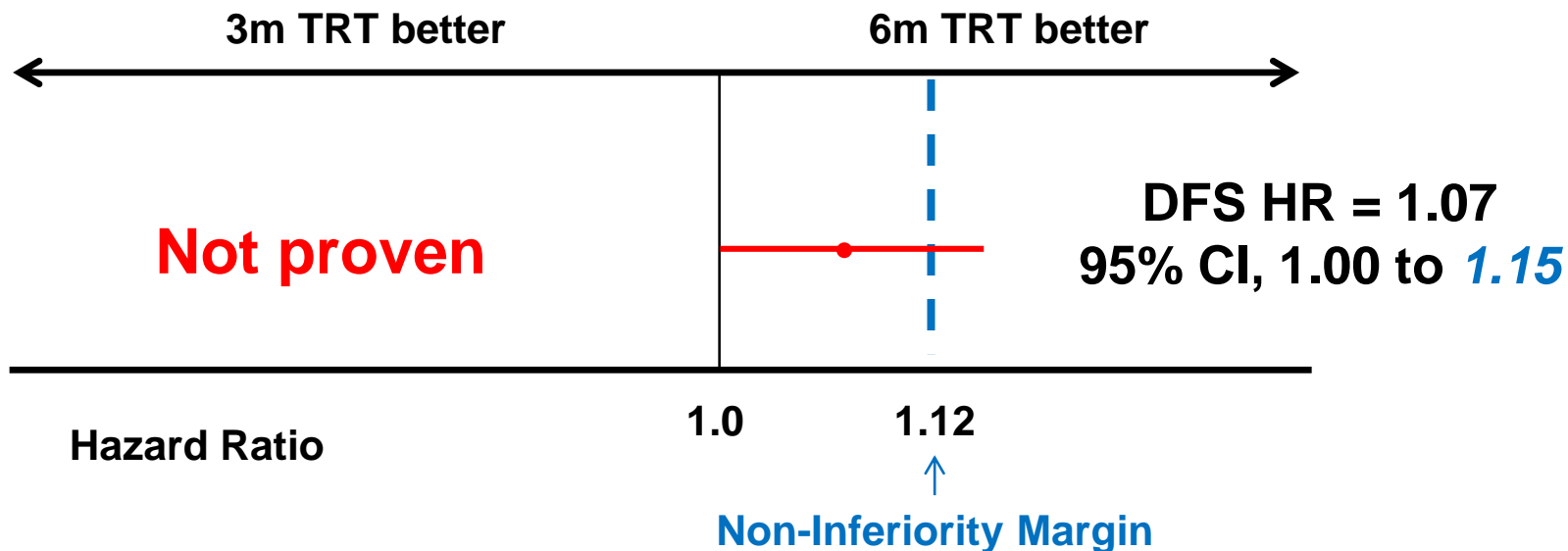


Primary Outcomes Analysis: IDEA trial





Primary DFS Analysis (mITT), cont.

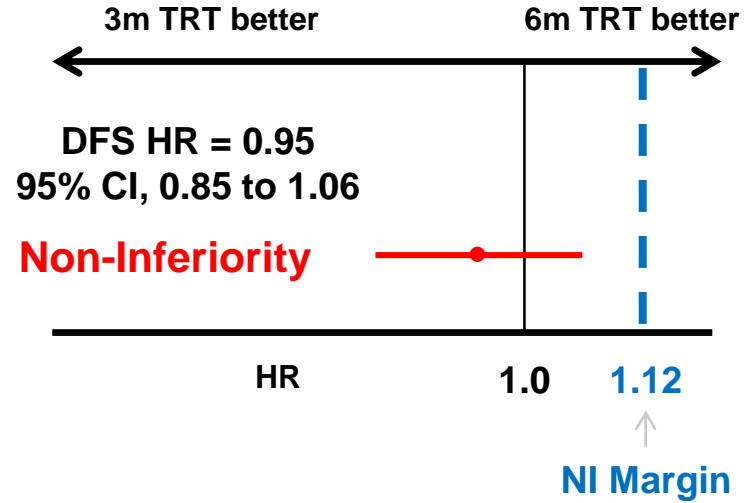
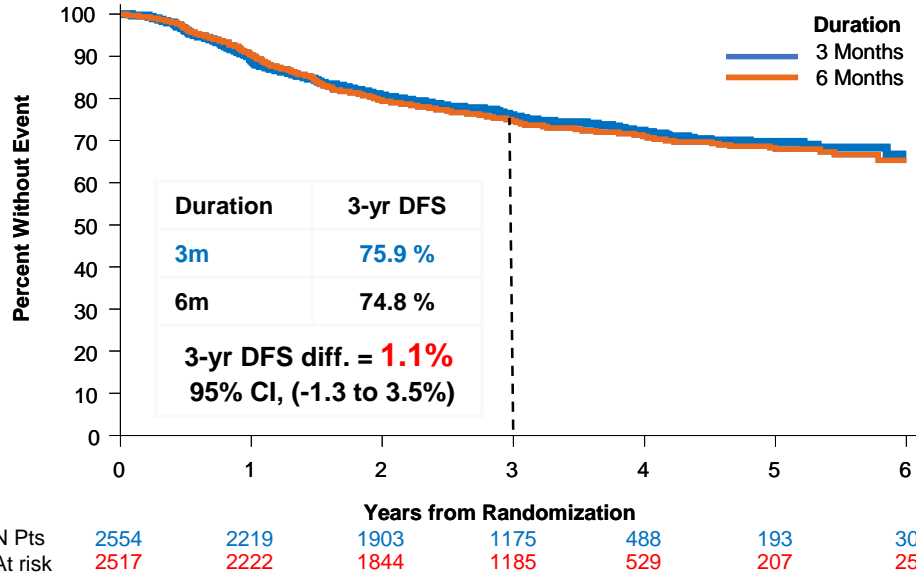


TRT: treatment



3 yr DFS in trial of 3 v 6 months CAPOX in 5071 stage 3 CRC patients proves non inferiority for 3 month regimen!

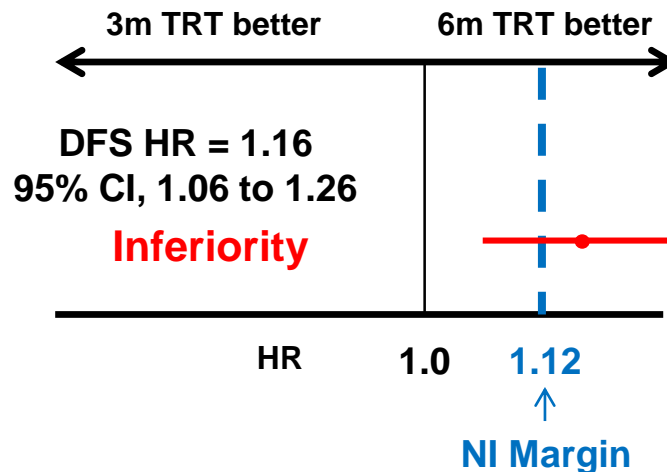
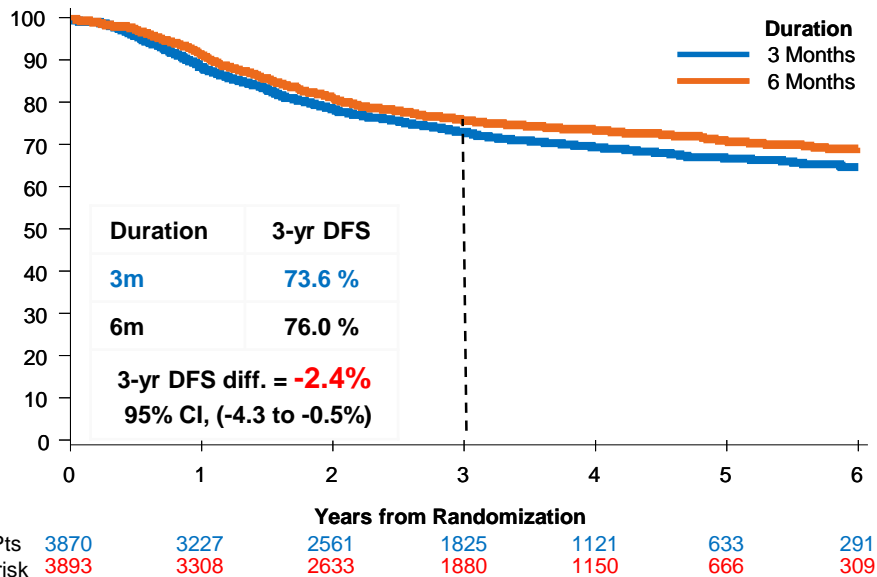
CAPOX





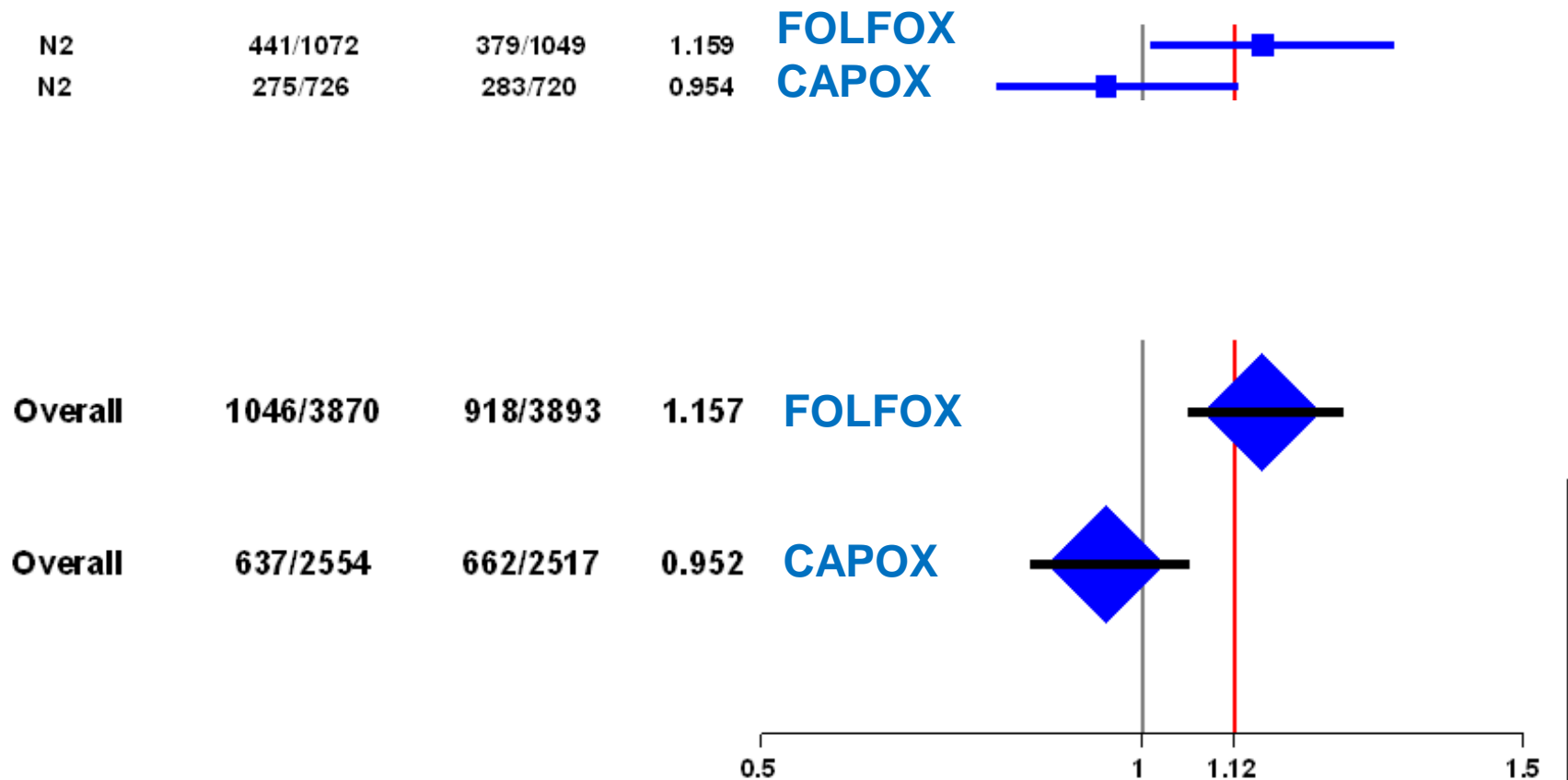
3 yr DFS in trial of 3 v 6 months FOLFOX in 7763 stage 3 CRC patients shows inferiority of 3 month regimen!

FOLFOX



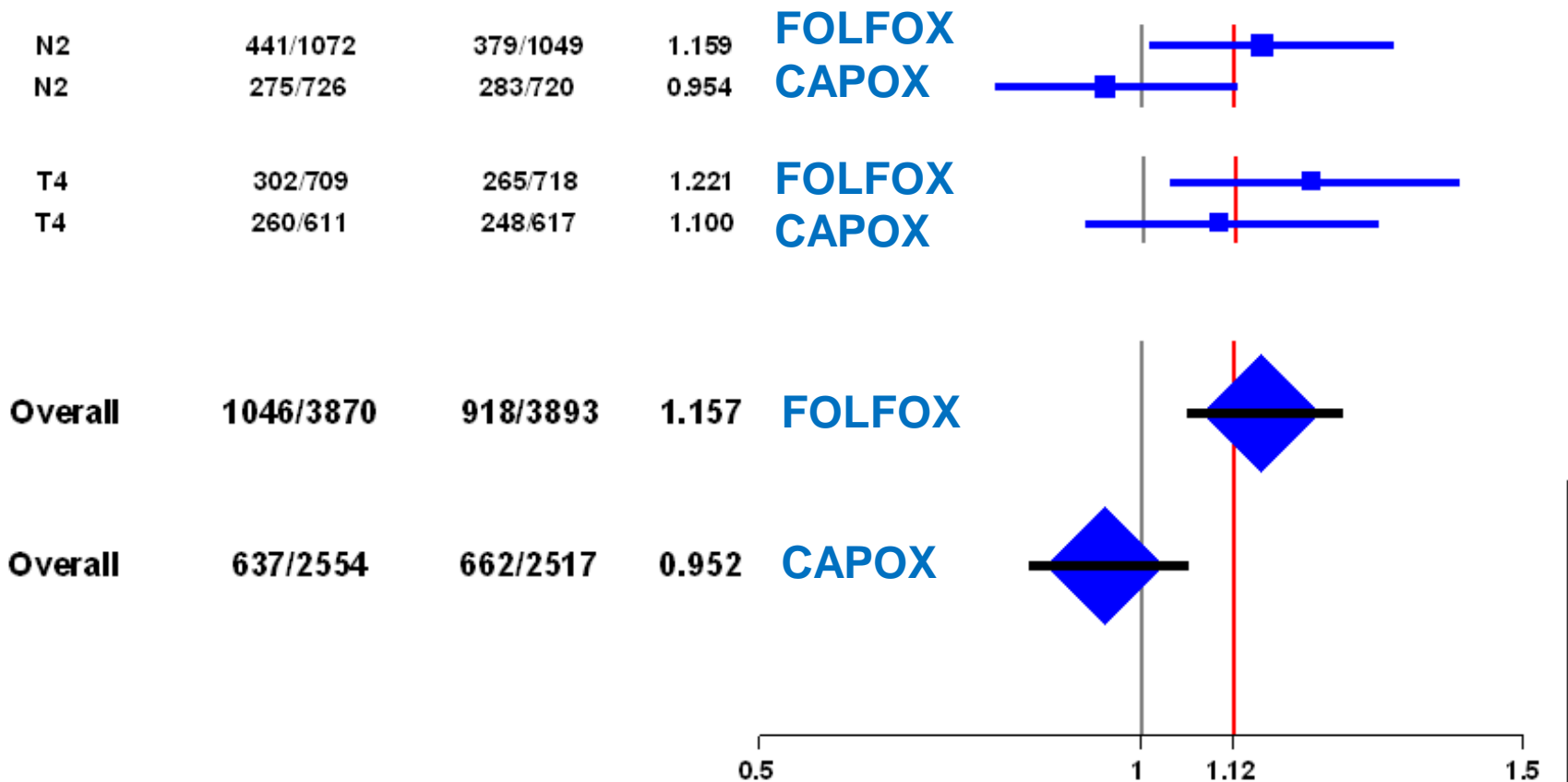


N2 and T4 within high risk stage III: 3 mo vs 6 mo by regimen



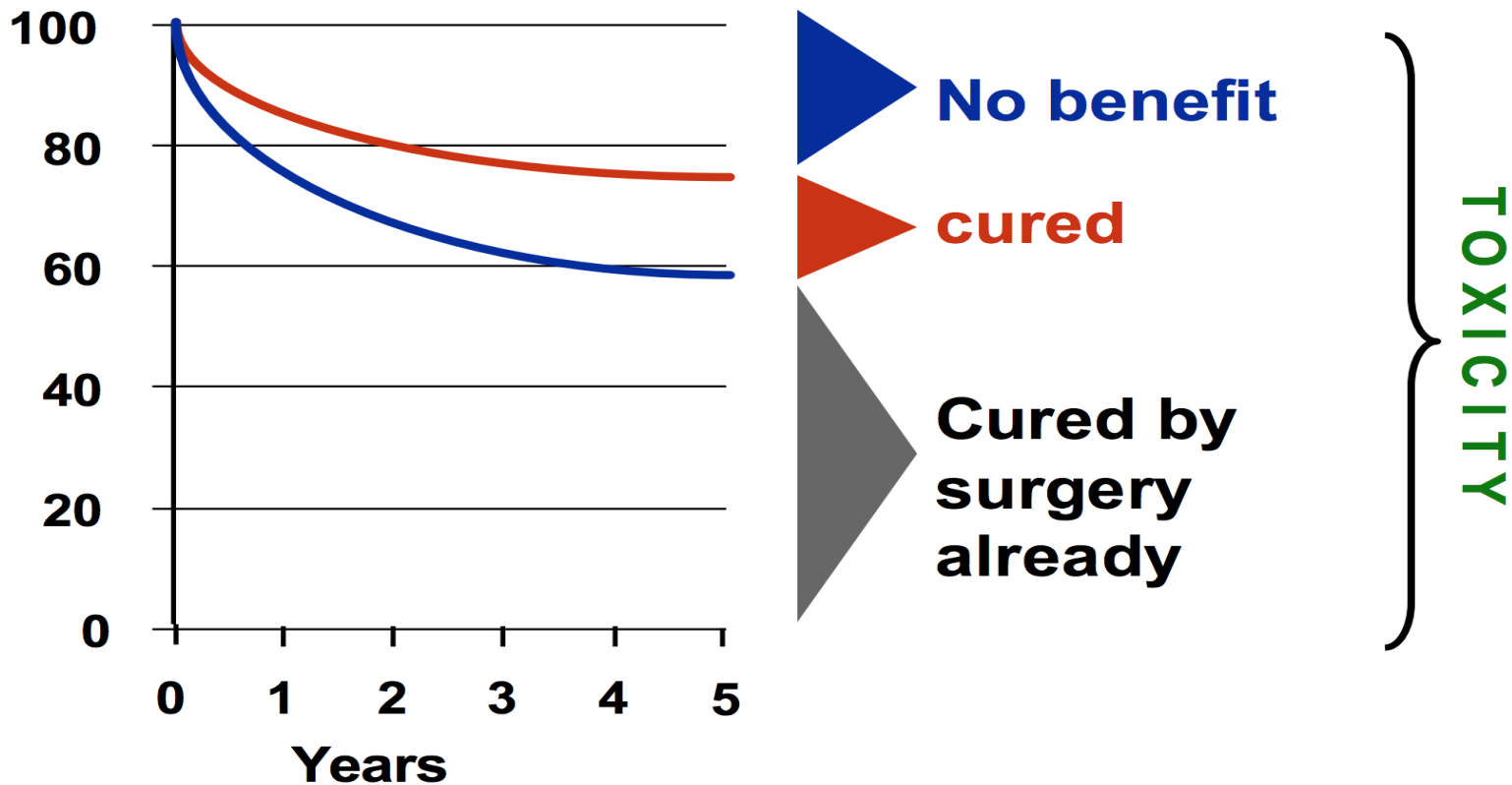


N2 and T4 within high risk stage III: 3 mo vs 6 mo by regimen



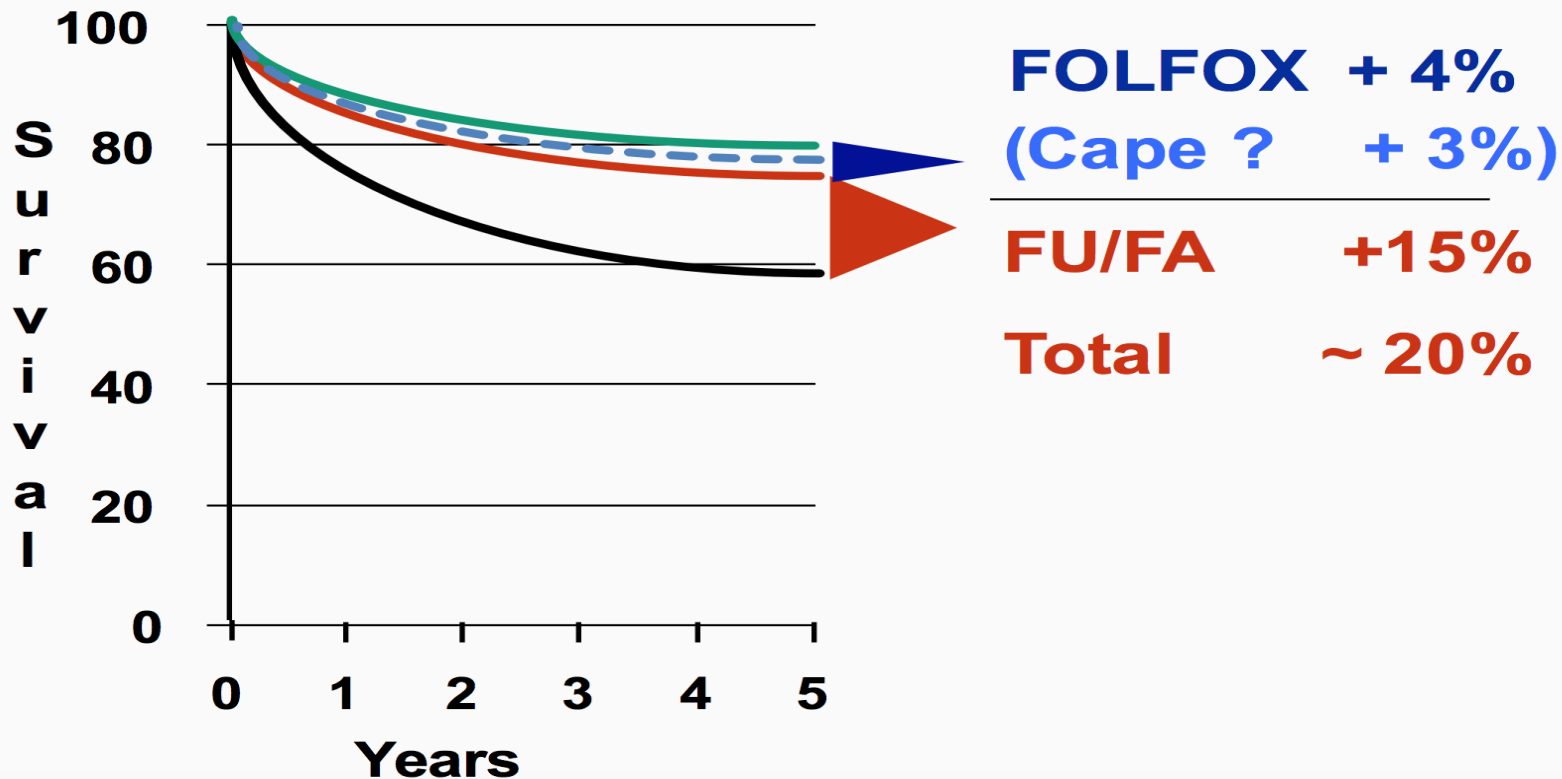


Adjuvant Chemotherapy in Stage III CRC



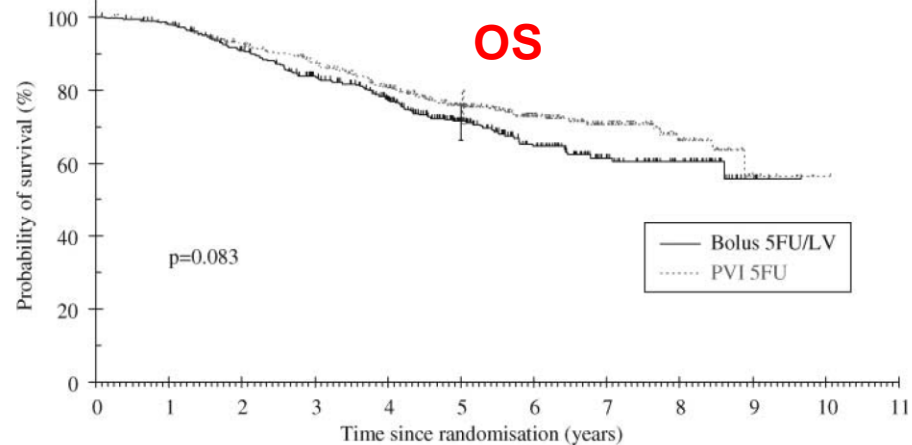
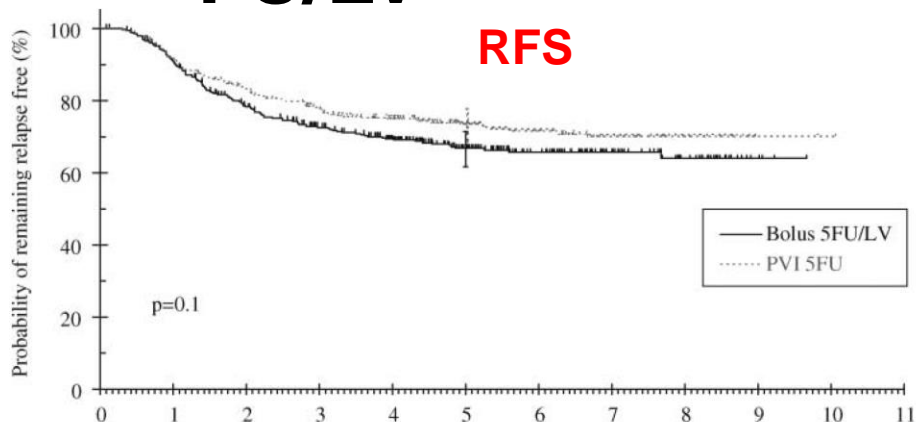


Adjuvant Chemotherapy in Stage III CRC





12 weeks of CI 5-FU vs 6 months of 5-FU/LV



| 5 Year (%) | 12 wks Ci 5-FU | 6 months 5-FU/LV | HR (95% CI) p-value |
|------------|----------------|------------------|-------------------------------|
| RFS | 73.3 | 66.7 | 0.8 (0.62-1.04) p=0.10 |
| OS | 75.7 | 71.5 | 0.79 (0.61-1.03) p=0.08 |

**Likelihood of 12 wks of ci 5-FU
being inferior: P<0.005**

N=801

Chau et al., Ann Oncol 2005



IDEA (+*TBS) Recommendations

| | | Regimen | |
|------------|----------------------------------------|----------------------|----------------------|
| | | CAPOX | FOLFOX |
| Risk group | Low-risk (T1-3 N1) ~60% | 3 months | (3-)6* months |
| | High-risk (T4 and/or N2) ~40% | 3(-6*) months | 6 months |

* If choice for 6 months , then the last 3 months → Capecitabine alone



Thank you